



JUL 16 2003

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PTO/SB/17

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL

Patent Fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. 1.27 and 1.28.

## Complete if Known

Application Number	09/844,530
Filing Date	April-27, 2001
First Named Inventor	Leah Miller
Group Art Unit	2827
Examiner Name	Ishwar B. Patel
Attorney Docket No.	56248.US / 01-008

TOTAL AMOUNT OF PAYMENT

(\$1300.00)

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit Account Number 12-2252

Deposit Account Number LSI LOGIC CORPORATION

☒ Charge Any Additional Fee required Under 37

☒ Charge the Issue Fee Set in 37 C.F.R. 1.18 at the Mailing of the Notice of

2. ☐ Payment Enclosed:

☐ Chec ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Larg eFee Code	Entit yFee (\$)	Larg eFee Code	Entit yFee (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional Filing fee	

SUBTOTAL (1) (\$0.00)

### 2. EXTRA CLAIM FEES

	Extra Claim	Fee from below	Fee Paid
Total claim	-20**=		
Independent Claims	-3**=		
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

Larg eFee Code	Entit yFee (\$)	Larg eFee Code	Entit yFee (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0.00)

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Larg eFee Code	Entit yFee (\$)	Larg eFee Code	Entit yFee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing request for reexamination	
112	920*	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1510	218	755	Extension for reply within fourth month	
128	2,060	228	1,030	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	1300
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional application	
126	240	126	240	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129)	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129 (b))	
Other fee (specify)					
Other fee (specify)					

SUBTOTAL (3) (\$1300.00)

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Typed or printed name	Timothy Croll
Signature	
Date	16 July 03

## Compleat (if applicable)

Reg. Number	36,771
Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In re Application of :

Leah Miller  
Farshad Ghahghahi  
Edwin Fulcher



Serial No. : 09/844,530

Group Art Unit : 2827

Filed : April 27, 2001

Examiner : Patel, Ishwar B.

For : Ball assignment for ball grid array package

Atty Docket : 56248.US / 01-008

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below:

Mark Salvatore

July 16, 2003  
Date

Signature

## SUBMISSION OF FORMAL DRAWINGS PURSUANT TO 37 C.F.R. §1.85

### Official Draftsman

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby substitutes the enclosed formal drawings for those presently in the above referenced application.

LSI Logic Corporation  
1551 McCarthy Blvd., MS D-106  
Milipitas, CA 95035  
408-433-7475

Respectfully submitted,

Timothy Croll

Reg. No. 36,771

Date: 16 July 03